



Please type a plus sign (+) inside this box → ☐

PTO/SB/01 (12-97)
Approved for use through 9/30/00. OMB 0651-0032
Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

RECEIVED
OCT 22 2002
TECHNOLOGY CENTER 2800

DECLARATION FOR UTILITY OR DESIGN PATENT APPLICATION (37 CFR 1.63) <input type="checkbox"/> Declaration Submitted with Initial Filing OR <input checked="" type="checkbox"/> Declaration Submitted after Initial Filing (surcharge (37 CFR 1.16 (e)) required)	Attorney Docket Number	1527 3
	First Named Inventor	Richard D. Cooper
	COMPLETE IF KNOWN	
	Application Number	10 / 087,223
	Filing Date	March 1, 2002
	Group Art Unit	
	Examiner Name	

As a below named inventor, I hereby declare that:

My residence, post office address, and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

Polishing Pad for Use in Chemical-Mechanical Planarization of Semiconductor Wafers and Method of Making Same

the specification of which
☐ is attached hereto
OR
☒ was filed on (MM/DD/YYYY) **03/01/2002** as United States Application Number or PCT International Application Number **10/087,223** and was amended on (MM/DD/YYYY) (if applicable).

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment specifically referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56.

I hereby claim foreign priority benefits under 35 U.S.C. 119(a)-(d) or 365(b) of any foreign application(s) for patent or inventor's certificate, or 365(a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below, by checking the box, any foreign application for patent or inventor's certificate, or of any PCT international application having a filing date before that of the application on which priority is claimed.

Prior Foreign Application Number(s)	Country	Foreign Filing Date (MM/DD/YYYY)	Priority Not Claimed	Certified Copy Attached?	
				YES	NO
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

☐ Additional foreign application numbers are listed on a supplemental priority data sheet PTO/SB/02B attached hereto:

I hereby claim the benefit under 35 U.S.C. 119(e) of any United States provisional application(s) listed below.

Application Number(s)	Filing Date (MM/DD/YYYY)
60/274,121	03/08/2001

☐ Additional provisional application numbers are listed on a supplemental priority data sheet PTO/SB/02B attached hereto.

[Page 1 of 2]

Burden Hour Statement: This form is estimated to take 0.4 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.



Please type a plus sign (+) inside this box → ☐

PTO/SB/01 (12-97)
Approved for use through 9/30/00. OMB 0651-0032
Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

DECLARATION — Utility or Design Patent Application

I hereby claim the benefit under 35 U.S.C. 120 of any United States application(s), or 365(c) of any PCT international application designating the United States of America, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT international application in the manner provided by the first paragraph of 35 U.S.C. 112, I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application.

U.S. Parent Application or PCT Parent Number	Parent Filing Date (MM/DD/YYYY)	Parent Patent Number (if applicable)

☐ Additional U.S. or PCT international application numbers are listed on a supplemental priority data sheet PTO/SB/02B attached hereto.

As a named inventor, I hereby appoint the following registered practitioner(s) to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith:

☐ Customer Number

OR

☐ Registered practitioner(s) name/registration number listed below

Place Customer
Number Bar Code
Label here

Name	Registration Number	Name	Registration Number
Milton S. Gerstein	27,891	Adam Sacharov	43075
Marvin N. Benn	26,705		
Stephen J. Cassen	38,098		

☐ Additional registered practitioner(s) named on supplemental Registered Practitioner Information sheet PTO/SB/02C attached hereto.

Direct all correspondence to: ☐ Customer Number OR ☒ Correspondence address below

Name	Marvin N. Benn				
Address	Hamman & Benn				
Address	10 S. LaSalle Street, Suite 3300				
City	Chicago	State	IL	ZIP	60603
Country	USA	Telephone	(312) 372-2920	Fax	(312) 372-7762

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Name of Sole or First Inventor:		<input type="checkbox"/> A petition has been filed for this unsigned inventor			
Given Name (first and middle (if any))		Family Name or Surname			
Richard D.		Cooper			
Inventor's Signature	<i>Richard D. Cooper</i>			Date	4/2/02
Residence: City	Sullivan	State	IN	Country	USA
Post Office Address	2341 N. Woodhurst Drive				
Post Office Address					
City	Sullivan	State	IN	ZIP	47882
				Country	USA

☐ Additional inventors are being named on the _____ supplemental Additional Inventor(s) sheet(s) PTO/SB/02A attached hereto

RECEIVED
OCT 22 2002
TECHNOLOGY CENTER



Please type a plus sign (+) inside this box →



RECEIVED
OCT 22 2002
TECHNOLOGY

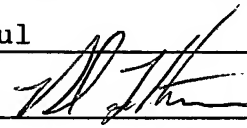

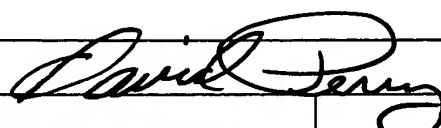
PTO/SB/02A (3-00)

Approved for use through 10/31/2002. OMB 0651-0032

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

DECLARATION	ADDITIONAL INVENTOR(S) Supplemental Sheet Page 3 of 4
--------------------	--

Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name (first and middle [if any])		Family Name or Surname	
Paul		Fathauer	
Inventor's Signature 		Date 9-20-02	
Residence: City Sullivan	State IN	Country USA	Citizenship USA
Mailing Address 112 Cross Street			
Mailing Address			
City Sullivan	State TN	ZIP 47882	Country USA
Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name (first and middle [if any])		Family Name or Surname	
Angela		Mroczek-Petroski	
Inventor's Signature 		Date 9-20-02	
Residence: City Crawfordsville	State IN	Country USA	Citizenship USA
Mailing Address 4010 SR. 32 West			
Mailing Address			
City Crawfordsville	State IN	ZIP 47933	Country USA
Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name (first and middle [if any])		Family Name or Surname	
David		Perry	
Inventor's Signature 		Date 9-23-02	
Residence: City Crawfordsville	State IN	Country USA	Citizenship USA
Mailing Address 522 Valley Drive			
Mailing Address			
City Crawfordsville	State IN	ZIP 47933	Country USA

Burden Hour Statement: This form is estimated to take 21 minutes to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.



Please type a plus sign (+) inside this box → ☐

PTO/SB/02A (11-00)
Approved for use through 10/31/2002. OMB 0651-0032
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

DECLARATION	ADDITIONAL INVENTOR(S) Supplemental Sheet Page <u>4</u> of <u>4</u>
--------------------	---

Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name (first and middle [if any])		Family Name or Surname	
James J.		Petroski	
Inventor's Signature <i>James J. Petroski</i>		Date 9-18-02	
Residence: City	Crawfordsville	State	IN
Country	USA	Citizenship	USA
Mailing Address 4010 SR. 32 West			
Mailing Address			
City	Crawfordsville	State	IN
ZIP	47933	Country	USA
Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name (first and middle [if any])		Family Name or Surname	
Inventor's Signature		Date	
Residence: City		State	
Country		Citizenship	
Mailing Address			
Mailing Address			
City		State	
ZIP		Country	
Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name (first and middle [if any])		Family Name or Surname	
Inventor's Signature		Date	
Residence: City		State	
Country		Citizenship	
Mailing Address			
Mailing Address			
City		State	
ZIP		Country	

Burden Hour Statement: This form is estimated to take 21 minutes to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

RECEIVED
OCT 22
TECHNOLOGY CEN

Reg. No.: 27,891

Tel. No.: (312) 372-2920

Customer No.:



SIGNATURE OF PRACTITIONER

Milton S. Gerstein

(type or print name of practitioner)

10 S. LaSalle Street , Suite 3300

P.O. Address

Chicago, Illinois 60603

(Amendment, Request and Fee to Delete and/or Add to Original Erroneously Named or Not Named Inventor(s)
in—Nonprovisional Application—Declaration (37 C.F.R. § 1.48(a)) [9-22]—page 3 of 3)

1. This amendment and request is to correct the incorrect original naming of inventor(s) in the declaration under 37 C.F.R. § 1.48(a) as set forth and filed on _____ (date).
2. Addition and/or Deletion of Inventor(s)

(check and complete all applicable items)

- ☒ Add the following previously unnamed person(s) as inventor(s) of this application:

~~James J. Petroski~~

- ☐ Delete the following previously incorrectly named inventor(s)

3. Attachments

Attached is

- (a) A statement from: *(check items below that apply)*

- ☒ each person being added as an inventor that the error in inventorship occurred without deceptive intention on his or her part. 37 C.F.R. § 1.48(a)(1).
☐ each person being deleted as an inventor that the error in inventorship occurred without deceptive intention on his or her part. 37 C.F.R. § 1.48(a)(1).

- (b) a declaration by each of the actual inventor(s) as required by 37 C.F.R. § 1.63 (or as permitted by §§ 1.42, 1.43, OR 1.47). 37 C.F.R. § 1.48(a)(2).

- (c) written assent of the assignee *(if any of the original inventors executed an assignment)* 37 C.F.R. 1.48(a)(4)

- (d) *(check the following item, if all the inventor(s) remaining after this petition and amendment is accepted are not the inventor(s) of the subject matter of all the claim(s) now being claimed.)*

- ☐ Attached is an explanation of the facts, including the ownership of all the claim(s) being claimed in this application, including the ownership of all the claim(s) at the time the last claimed invention was made (Declaration of Inventorship and Common Ownership of Claims in Application).

4. Fee Payment (37 C.F.R. § 1.17(i)–\$130.00)

The fee required is paid as follows:

- ☒ Attached is a ☒ check ☐ money order in the amount of \$130 _____
☐ Authorization is hereby made to charge the amount of \$ _____
☐ to Deposit Account No. _____
☐ to Credit card as shown on the attached credit card information authorization form PTO-2038.

WARNING: Credit card information should not be included on this form as it may become public.

- ☐ Charge any additional fees required by this paper or credit any overpayment in the manner authorized above.

A duplicate of this paper is attached.

(Amendment, Request and Fee to Delete and/or Add to Original Erroneously Named or Not Named Inventor(s)
In—Nonprovisional Application—Declaration (37 C.F.R. § 1.48(a)) [9–22]—page 2 of 3)



Practitioner's D ket No. 1527.003

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: Richard Cooper, et al.

Application No.: 10 / 087,223 Group No.:

Filed: March 1, 2002 Examiner:

For: POLISHING PAD FOR USE IN CHEMICAL-MECHANICAL PLANARIZATION OF SEMICONDUCTOR WAFERS
AND METHOD OF MAKING SAME

Commissioner for Patents
Washington, D.C. 20231

AMENDMENT, REQUEST AND FEE TO DELETE AND/OR
ADD TO ORIGINAL ERRONEOUSLY NAMED OR NOT NAMED
INVENTOR(S) IN—NONPROVISIONAL APPLICATION—DECLARATION
(37 C.F.R. § 1.48(a))

NOTE: "If the inventive entity is set forth in error in an executed § 1.63 oath or declaration in a nonprovisional application, and such error arose without any deceptive intention of the part of the person named as an inventor in error or on the part of the person who through error was not named as an inventor, the inventorship of the nonprovisional application may be amended to name only the actual inventor or inventors." 37 C.F.R. § 1.48(a)

NOTE: 37 C.F.R. § 1.48(f)(1): "Nonprovisional application-filing executed oath/declaration corrects inventorship. If the correct inventor or inventors are not named on filing a nonprovisional application under § 1.53(b) without an executed oath or declaration under § 1.63 by any of the inventors, the first submission of an executed oath or declaration under § 1.63 by any of the inventors during the pendency of the application will act to correct the earlier identification of inventorship. See §§ 1.41(a)(4) and 1.497(d) for submission of an executed oath or declaration to enter the national stage under 35 U.S.C. 371 and § 1.494 or § 1.495 naming an inventive entity different from the inventive entity set forth in the international stage."

CERTIFICATION UNDER 37 C.F.R. §§ 1.8(a) and 1.10*

(When using Express Mail, the Express Mail label number is mandatory;
Express Mail certification is optional.)

I hereby certify that, on the date shown below, this correspondence is being:

MAILING

☒ deposited with the United States Postal Service in an envelope addressed to the Commissioner of Patents, Washington, D.C. 20231

37 C.F.R. § 1.8(a)

37 C.F.R. § 1.10*

☒ with sufficient postage as first class mail.

☐ as "Express Mail Post Office to Addressee"

Mailing Label No. (mandatory)

TRANSMISSION

☐ facsimile transmitted to the Patent and Trademark Office, (703)

Signature

Milton S. Gerstein

(type or print name of person certifying)

Date: 10/8/02

* Only the date of filing (§ 1.6) will be the date used in a patent term adjustment calculation, although the date on any certificate of mailing or transmission under § 1.8 continues to be taken into account in determining timeliness. See § 1.703(f). Consider "Express Mail Post Office to Addressee" (§ 1.10) or facsimile transmission (§ 1.6(d)) for the reply to be accorded the earliest possible filing date for patent term adjustment calculations.

(Amendment, Request and Fee to Delete and/or Add to Original Erroneously Named or Not Named Inventor(s)
in—Nonprovisional Application—Declaration (37 C.F.R. § 1.48(a)) [9-22]—page 1 of 3)

10/18/2002 HVJUNG1 000000000 1500000000

130.00 DP

01 FC:1460



IN THE UNITED STATES PATENT & TRADEMARK OFFICE

RECEIVED
OCT 22 2002
TECHNOLOGY CENTER 2800

APPLICANT: RICHARD COOPER, ET AL.
TITLE: POLISHING PAD FOR USE IN CHEMICAL-...
SERIAL No.: 10/087,223
FILING DATE: MARCH 1, 2002
GROUP: ART UNIT
EXAMINER:

To: Hon. Commissioner of Patents & Trademarks
Washington, D.C. 20231

STATEMENT OF ADDED INVENTOR UNDER 37 C.F.R. 1.48(a)(2)

S I R:

The undersigned inventor hereby declares that the error in his not being named as an inventor in the invention disclosed and claimed in the above-identified patent application occurred without deceptive intention on his part.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Date: 9-18-02

By: James J. Petroski
James J. Petroski
Added Inventor



THE UNITED STATES PATENT & TRADEMARK OFFICE

APPLICANT: RICHARD COOPER, ET AL.

TITLE: POLISHING PAD FOR USE IN CHEMICAL-...

SERIAL No.: 10/087,223

FILING DATE: MARCH 1, 2002

GROUP: ART UNIT

EXAMINER:

RECEIVED
OCT 22 2002
TECHNOLOGY CENTER 2800

To: Hon. Commissioner of Patents & Trademarks
Washington, D.C. 20231

ASSENT OF ASSIGNEE TO CORRECTION OF ADDITION OF INVENTOR

UNDER 37 C.F.R. 1.48(a)

SIR:

The assignee of the above-identified patent application hereby assents to the correction of inventorship filed herewith adding James P. Petroski as an inventor.

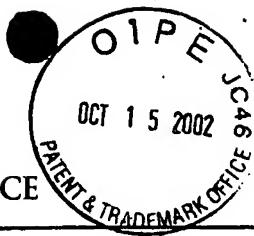
A copy of the recorded assignment signed by all of the originally-named inventors is also herewith attached. The recorded assignment was recorded at the U.S. Patent & Trademark Office on April 15, 2002, having received the reel/frame number of: 012803/0890.

Date: Sept 16, 2002

By: John Butz
John Butz
President
Allomatic Industries Company



UNITED STATES
PATENT AND
TRADEMARK OFFICE



JUNE 17, 2002

PTAS

Chief Information Officer
Washington, DC 20231
www.uspto.gov

HAMMAN & BENN
MILTON S. GERSTEIN
10 S. LASALLE STREET
SUITE 3300
CHICAGO, IL 60603



102064122A

UNITED STATES PATENT AND TRADEMARK OFFICE
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 04/15/2002

REEL/FRAME: 012803/0890
NUMBER OF PAGES: 4

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:
COOPER, RICHARD

DOC DATE: 04/02/2002

ASSIGNOR:
FATHAUER, PAUL

DOC DATE: 04/02/2002

ASSIGNOR:
PERRY, DAVID

DOC DATE: 04/02/2002

ASSIGNOR:
MROCZEK-PETROSKI, ANGELA

DOC DATE: 04/02/2002

ASSIGNEE:
ALLOMATIC INDUSTRIES COMPANY
609 E. CHANEY STREET
SULLIVAN, INDIANA 47882

SERIAL NUMBER: 10087223
PATENT NUMBER:

FILING DATE: 03/01/2002
ISSUE DATE:

RECEIVED
OCT 22 2002
TECHNOLOGY CENTER 28C

012803/0890 PAGE 2

ANTIONE ROYALL, EXAMINER
ASSIGNMENT DIVISION
OFFICE OF PUBLIC RECORDS

PATENT ASSIGNMENT

INVENTOR/ASSIGNOR: Richard D. Cooper

Residence Address: 2341 N. Woodhurst Drive

City: Sullivan State/Zip: Indiana 47882

INVENTOR/ASSIGNOR: Paul Fathauer

Residence Address: 112 Cross Street

City: Sullivan State/Zip: Indiana 47882

INVENTOR/ASSIGNOR: Angela Mroczek - Petroski

Residence Address: 4010 SR 32 west
1318 Danville Avenue

City: Crawfordsville State/Zip: Indiana 47933

INVENTOR/ASSIGNOR: David Perry

Residence Address: 522 Valley Drive

City: Crawfordsville State/Zip: Indiana 47933

ASSIGNEE: Allomatic Industries Company

Status: a Delaware corporation

Address: 609 E. Chaney Street

City: Sullivan State/Zip: Indiana 47882

TITLE OF INVENTION: POLISHING PAD FOR USE IN CHEMICAL-

MECHANICAL PLANARIZATION OF SEMICONDUCTOR WAFERS AND

METHOD OF MAKING SAME

The Assignors having made the above invention and filed application for Letters Patent of the United States thereon, and the Assignee being desirous of acquiring the same; in consideration of One Dollar (\$1.00) and other good and valuable consideration, the Assignors hereby assign to the Assignee, including its successors, assigns, heirs, administrators, all of the Assignors' right, title and interest in and to the invention and the patent application therefore identified herein and to any and all patents which may evolve therefrom;

The Assignors also assign all of their right, title and interest in and to said invention in all foreign countries, and all applications for Letters Patent in foreign countries on said invention and any Letters Patent which may evolve therefrom, including the right to claim International Convention priority; and

The Assignors agree to execute any papers or perform any acts required to establish, vest or protect the Assignee's rights therein or required by Assignee to obtain said patent, without any additional payment therefor, but without any expense to Assignors.

Date of this document: April 2, 2002

Date of execution of April 2
U.S. application: _____, 2002

Serial Number: 10/087,223 Filed: March 1, _____, 2002



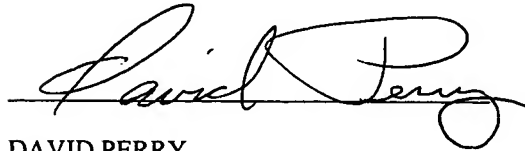
RICHARD D. COOPER
INVENTOR/ASSIGNOR



PAUL FATHAUER
INVENTOR/ASSIGNOR



ANGELA MROCZEK PETRUSKI
INVENTOR/ASSIGNOR



DAVID PERRY
INVENTOR/ASSIGNOR